

## Web Version without Attachments

MEMORANDUM FOR DoD MODELING AND SIMULATION WORKING GROUP (MSWG)  
MEMBERS

SUBJECT: Minutes for the January 13, 1995, MSWG Meeting

The DoD MSWG met on January 13, 1995. CAPT Hollenbach, Director, Defense Modeling and Simulation (M&S) Office (DMSO), chaired the meeting; the attachment identifies attendees. Meeting highlights follow:

Summary of December 15, 1994, DoD Executive Council for M&S (EXCIMS) Meeting. CAPT Hollenbach provided an overview of the December 15, 1994, EXCIMS meeting. The agenda covered: status of the draft DoD 5000.59-P, "DoD M&S Master Plan (MSMP)"; establishment of an Architecture Management Group (AMG); overview of the process for designating DoD M&S Executive Agents (MSEAs); proposed designation of the Defense Mapping Agency (DMA) as DoD MSEA for Terrain; and the DMSO Investment Plan. Significant EXCIMS actions were to unanimously agree to recommend the Under Secretary of Defense for Acquisition and Technology designate DMA as DoD MSEA for Terrain. They also directed that the AMG report to the EXCIMS through the MSWG and initiated a dialog to clarify the M&S Coordination Center (MSCC) concept. Finally, the EXCIMS accepted the DMSO Investment Plan, as briefed and without comment.

Draft DoD 5000.59-P, "DoD M&S Master Plan (MSMP)" Execution. Execution of the DoD MSMP will require simultaneous, coordinated action by multiple functional and technical working groups (TWGs), task forces (TFs), and individual DoD Components. Progress is already being achieved through the efforts of: the AMG; the Verification, Validation, and Accreditation (VVA) TWG (VVATWG); the Human Behavior TWG (HBTWG); the Environmental Representation TWG (ERTWG); the Data and Repositories TWG (DRTWG); the MSCC Task Force (MSCCTF); the Benefits Capture TF (BCTF); and M&S Terminology TF (MSTTF). A summary of recent accomplishments and plans follows:

AMG. The AMG will play a key role in the process of defining the DoD M&S High Level Architecture (HLA). AMG membership will come from major simulation systems in development. The MSWG discussed ways that the HLA definition process might be accelerated after Col Hanover expressed concern over the length of the schedule. The group concluded that the current development schedule is amply ambitious without acceleration. The HLA definition also generated discussion about AMG membership.

ACTION: CAPT Hollenbach asked MSWG members to identify additional simulation systems that should be briefed to the ARPA-led Program Evaluation Team (PET) meeting on January 24-25, 1995. ACTION: Additionally, members were asked to provide the PET with white papers for any simulation systems that will not be briefed on January 24-25, 1995. ACTION: CAPT Hollenbach also asked MSWG members to identify candidate simulation systems and specific persons who should be AMG members.

VVA Plans. COL Wiedewitsch, Deputy Director, DMSO, briefed the MSWG on the status of VVA plans. The DMSO recently expanded its professional staff to cover this area and several key actions are underway: a strawman VVA Execution Plan is due by mid month and both the VVATWG and DRTWG, in a joint meeting, will review the plan in early February; this joint meeting will also address data verification, validation and certification (VVC) issues. Additionally, a draft DoD Instruction on VVA will begin formal coordination in late February or early March. One of the key VVA issues that the DoD M&S community must address is how to conduct VVA of joint or confederated M&S.

Human Behavior Plans. Col Wiedewitsch reported that the HBTWG has been dormant for some time; however, this group is being re-energized. It will meet later this month to develop an execution plan. The DMSO will limit its investments in the Human Behavior arena until the discipline becomes more mature.

Environmental Representation Plans. The ERTWG will meet in mid-February and continue to work environmental representations until DoD MSEAs are designated. The ERTWG will continue to operate sub-working groups (SWGs) focused on the four environmental areas designated in the M&S Master Plan: Terrain, Atmosphere, Oceans, and Space. The DMA's Terrain Modeling Project Office (TMPO) will oversee the Terrain SWG; other SWGs will be managed by ERTWG leaders until this responsibility is passed to a DoD MSEA. Designated DoD MSEAs are responsible for developing execution plans in each environmental area. DMA's execution plan is now in draft; it will be provided for MSWG review in the near future.

Data and Repositories Plans. A strawman Data and Repositories Execution Plan is due to the DMSO on January 13, 1995. The DRTWG will review this plan and will meet at the Institute for Defense Analyses during the week of February 6-10, 1995. Critical issues the DRTWG will confront as it works to execute the DoD MSMP include: system security; multi-level security; VVC procedures; and developing the distributed DoD M&S Resource Repository system.

MSCCTF. LtCol Bartlett, Chief, Operations Division, DMSO, provided a status report on the MSCCTF. The Joint Warfighting Center (JWFC) agreed to lead the MSCCTF. The Task Force is in the process of being formed. ACTION: MSWG parent organizations should identify personnel to support the MSCCTF; this tasker will be formalized by separate memorandum.

MSTTF. LtCol Bartlett noted that lack of commonly defined terminology hinders communication within the DoD M&S community daily. The MSTTF is being formed to address this problem. It will compile a common DoD M&S dictionary of M&S definitions and acronyms that will become a DoD publication. The DMSO staff has already developed a draft based on numerous existing DoD glossaries. The MSTTF will operate on a fast schedule with the goal of completing a formal-coordination-ready dictionary of DoD M&S terms by July 1995. ACTION: MSWG members are requested to provide the DMSO copies of M&S glossaries and acronyms that may be in use in their organization. Glossaries in electronic format should be provided via e-mail to: "glossary@dms0.dtic.dla.mil." ACTION: The Services and Joint Staff, J-7, are each requested to nominate a representative to the MSTTF by January 31, 1995. The first task force meeting will be on February 15, 1995.

BCTF. This task force is in the earliest stages of formation; the DMSO will request Service and Functional Working Group participation by separate memorandum.

Currency of Working Group, Sub Working Group, and Task Force Membership Lists. This issue arose when Col Stanfill, and other MSWG members, voiced concern that the increasing level of requirements to support the various working groups and task forces easily exceeds their in-house, available resources. He asked the DMSO to provide a listing of people assigned to the working groups and task forces. The DMSO subsequently provided lists. ACTION: MSWG members should provide the DMSO an updated listing of their representatives by February 1, 1995.

DoD MSEA Requirements. MSWG members were asked to consider what additional areas or subjects should be addressed through the use of DoD MSEA and to identify any additional areas not already addressed in the DoD MSMP. The Navy proposed Medical and Space as two areas that should be addressed; the DIA proposed foreign forces. COL Hardin commented that the MSWG should make a distinction between organizations that are sources of credible data (like DMA and DIA) and those that have credibility in creating successful M&S systems. In his opinion, these organizations are not identical. Col Hanover supported this position. He proposed that DoD MSEAs should be sufficient to address a taxonomy of "Things" (e.g., weapon systems), "Spaces"

(e.g., environments like Oceans, Atmosphere), and "Faces" (people and their behavior as individuals and groups). The MSWG did not achieve a consensus on either the need for additional MSEAs or on what approach the DoD should take on MSEAs. ACTION: MSWG members should provide recommendations on additional MSEAs and approaches to MSEAs to the DMSO and each of the other MSWG members by February 1, 1995. Inputs will form the basis for further discussion of DoD MSEAs.

DoD MSMP Issues. LtCol Bartlett lead the MSWG on a chapter-by-chapter review of the January 6, 1995, version of the M&S Master Plan. The MSWG identified additional changes and concerns that will be addressed in the final coordination draft version of the DoD MSMP.

Future MSWG and EXCIMS Meetings: The next meetings are:

MSWG. The MSWG will meet on February 8, 1995 from 1:00 PM to 5:00 PM and on March 10, 1995 from 9:00 AM to 3:00 PM. Both meetings will be in Rooms 121-123 of the Institute for Defense Analyses's 2001 North Beauregard facility in Alexandria, Virginia. ACTION: MSWG members should provide proposed agenda items to the DMSO no later than one week before the next scheduled meeting date.

EXCIMS. The next EXCIMS meeting will be on March 22, 1995, from 9:00 AM to 12:00 noon in Pentagon Room 3D1019.

James W. Hollenbach  
Captain, USN  
Director, Defense Modeling  
and Simulation Office

Attachments  
As stated

cc:  
PMA-248 (CAPT Heineman)  
JSIMS JPO (CAPT Falkey)  
USACOM J-7A (CAPT Sherlock)

Modeling & Simulation Working Group (MSWG)  
January 13, 1995  
Meeting Attendance

<u>Organization</u>	<u>Attendees</u>
DMSO	CAPT Hollenbach *
	COL Wiedewitsch
	LtCol Bartlett
	CDR Misch
	Mr. Gajkowski
	Mr. Debroux
ODDR&E	Not Present
OUUSD(P&R)	Not Present
ODTSEE	Mr. Burge **/**
OASD(C3I)	Not Present **
OASD(EcS)	Not Present
OASD(RA)	CDR Rezendes
OD(PA&E)	Not Present **/**
The Joint Staff	LTC Altomare (J-7) **/**
	Lt Col Martin (J-7/JWFC)
	Mr. McGuire (J-8) **
	Maj Ziegler (J-8)
Army	COL Hardin
Navy	Mr. Phillips **
	Mr. Khedouri (COMNAVMETOC CON)
	Mr. Melcher (DONMSMO TSG)
Air Force	Col Stanfill **
Marine Corps	Col Hanover **
ARPA	COL Reddy
BMDO	COL Lingvai **
	Dr. Bravy
DISA	Maj Phillips
	Dr. Huo
DMA	Mr. Jacober
	Maj Miller
	Mr. Lenczowski
DNA	COL Toops
	MAJ Chipman
IC M&S COG/DIA	Mr. Bernstein

\* MSWG Chair  
 \*\* MSWG Member  
 \*\*\* Functional Working Group Leader/Co-Leader

Attachment